

FIG.1

FIG.2

| INPUT IMAGE SIGNAL | STATIC IMAGE CODING |
|--------------------|---------------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 5 |
| 5 | 5 |
| 6 | 6 |
| : | : |
| 9 | 10 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 15 |
| 15 | 15 |
| 16 | 16 |
| : | : |
| 20 | 20 |
| 30 | 30 |
| 40 | 40 |
| 50 | 50 |
| 60 | 60 |
| 70 | 70 |
| 80 | 80 |
| 91 | 91 |
| 101 | 101 |
| 111 | 111 |
| 119 | 119 |
| 130 | 130 |
| 140 | 140 |
| 150 | 150 |
| 160 | 160 |
| 170 | 170 |
| 180 | 180 |
| 191 | 191 |
| 201 | 201 |
| 211 | 211 |
| 221 | 221 |
| 231 | 231 |
| 240 | 240 |
| 250 | 250 |
| 260 | 260 |
| 273 | 273 |
| 283 | 283 |
| 293 | 293 |
| 300 | 300 |
| 310 | 310 |
| 320 | 320 |
| 330 | 330 |
| 340 | 340 |
| 350 | 350 |
| 360 | 360 |
| 370 | 370 |
| 380 | 380 |

41

41

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FIG.3

| INPUT IMAGE SIGNAL | MOVING IMAGE CODING |
|--------------------|---------------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 5 |
| 5 | 5 |
| 6 | 6 |
| : | : |
| 9 | 10 |
| 10 | 10 |
| 11 | 11 |
| 12 | 12 |
| 13 | 13 |
| 14 | 15 |
| 15 | 15 |
| 16 | 16 |
| : | : |
| 20 | 20 |
| 30 | 30 |
| 40 | |
| 50 | |
| 60 | 60 |
| 70 | |
| 80 | |
| 91 | 91 |
| 101 | 101 |
| 111 | 111 |
| 119 | 119 |
| 130 | |
| 140 | |
| 150 | 150 |
| 160 | 160 |
| 170 | 170 |
| 180 | 180 |
| 191 | |
| 201 | |
| 211 | |
| 221 | 221 |
| 231 | 231 |
| 240 | 240 |
| 250 | 250 |
| 260 | 260 |
| 273 | |
| 283 | |
| 293 | |
| 300 | 300 |
| 310 | 310 |
| 320 | 320 |
| 330 | 330 |
| 340 | 340 |
| 350 | 350 |
| 360 | 360 |
| 370 | 370 |
| 380 | 380 |

FIG. 4

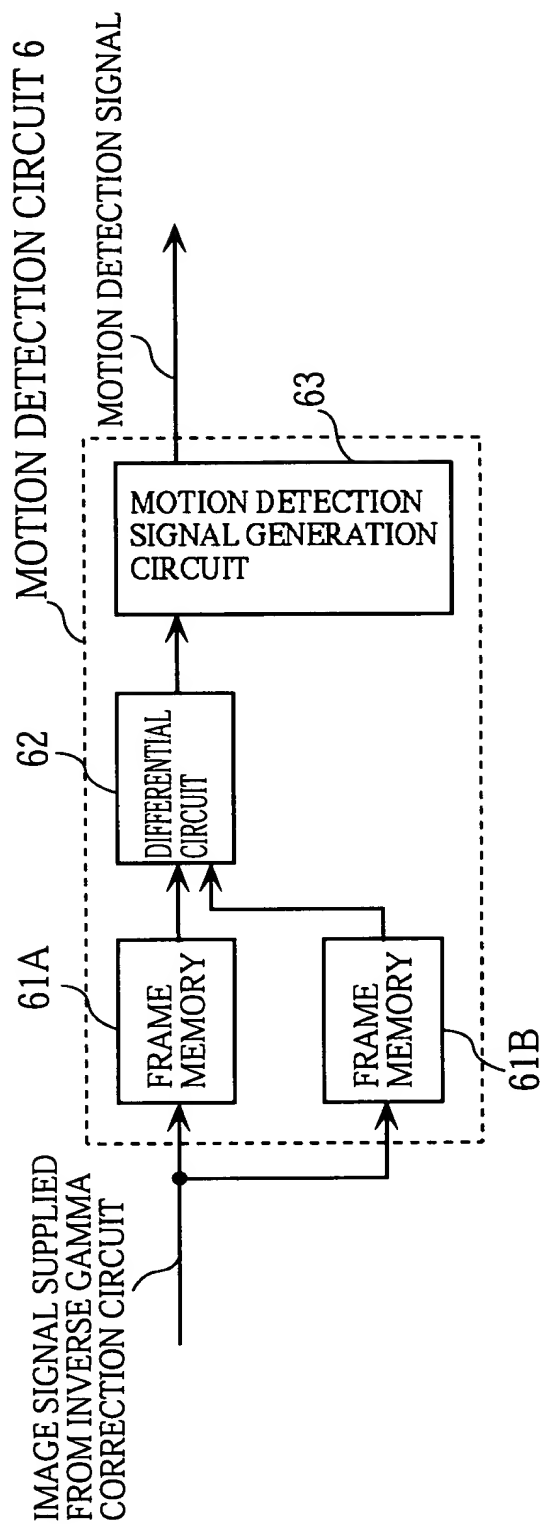


FIG.5

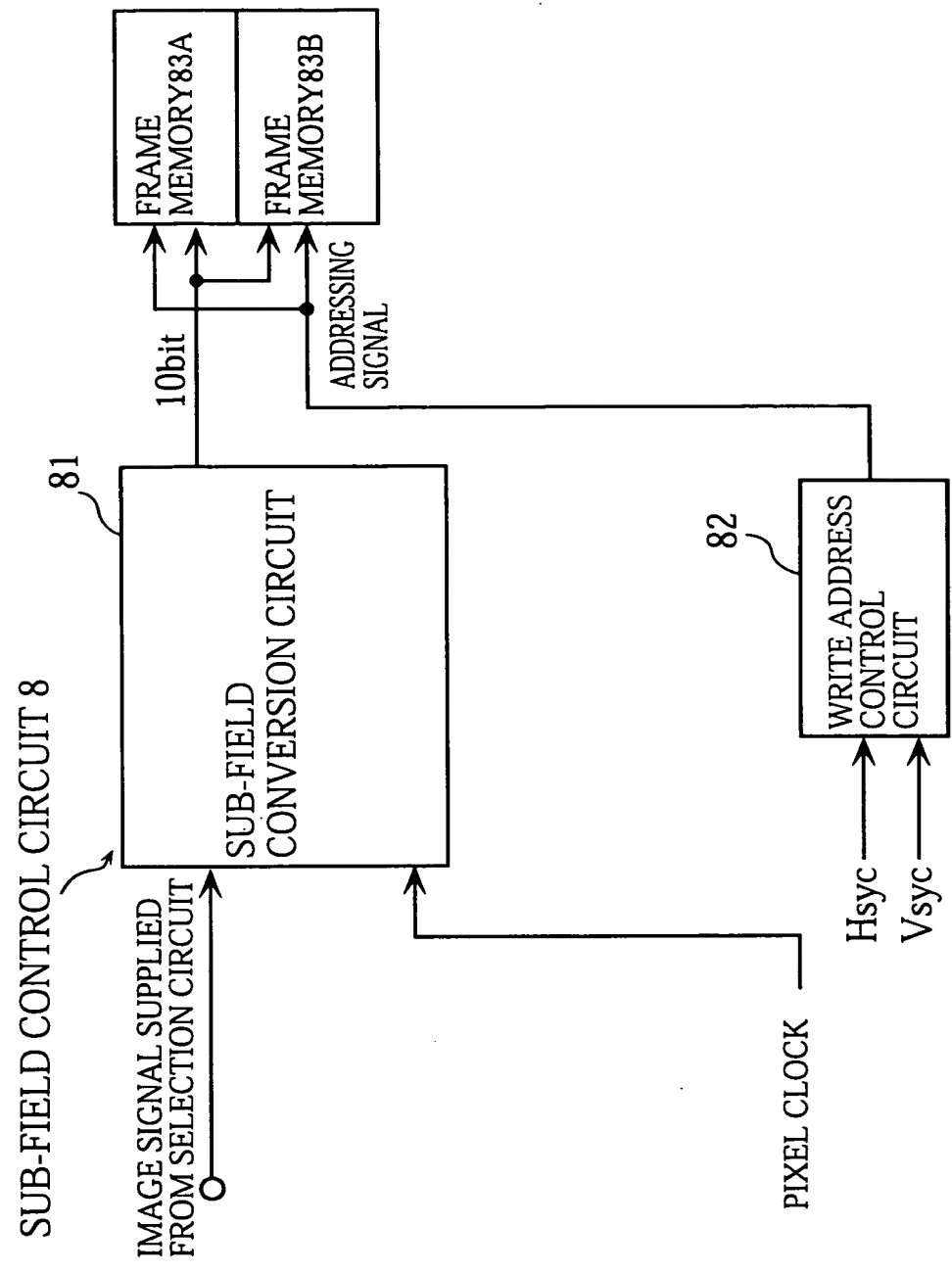
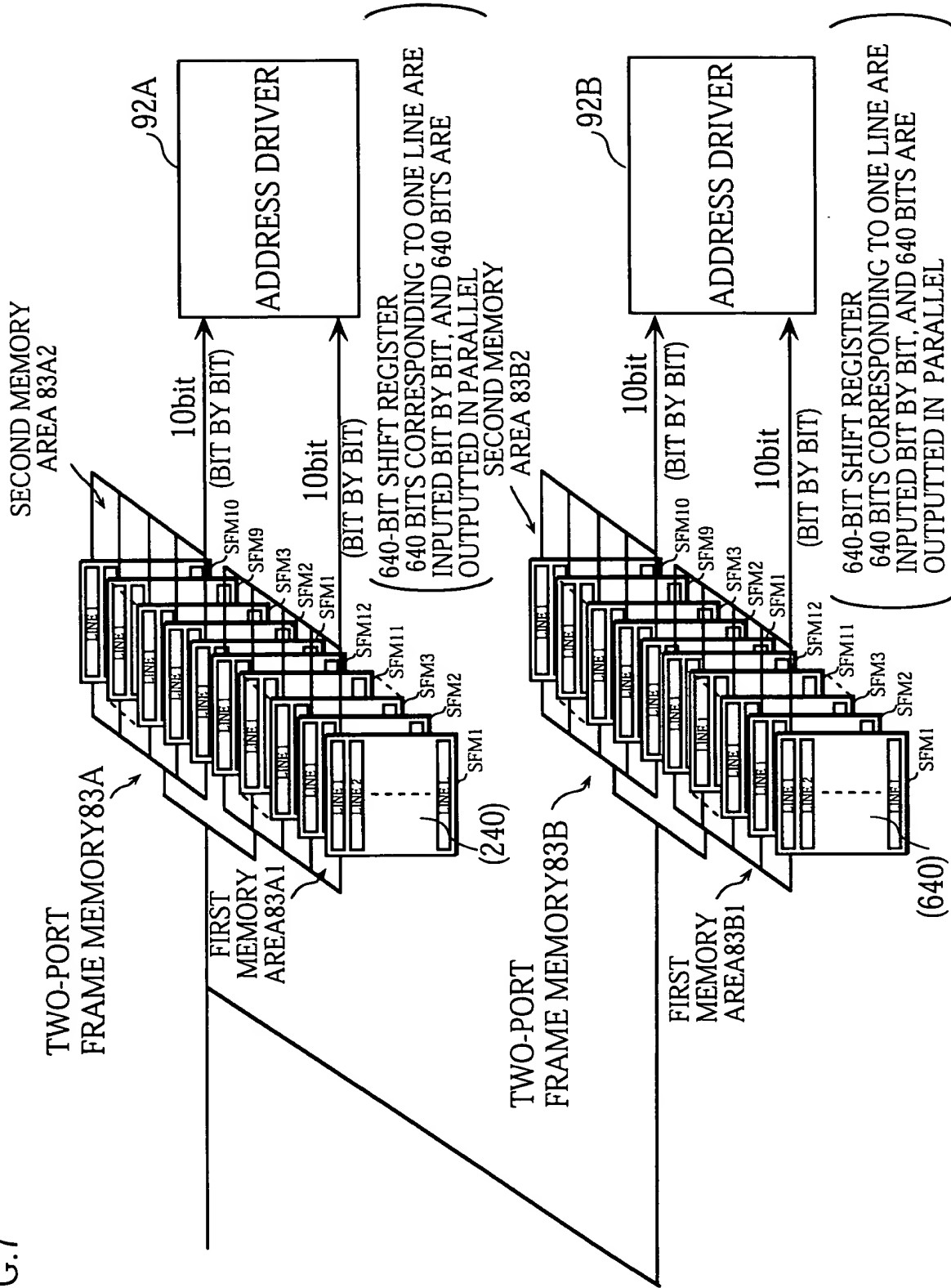


FIG. 6

| INPUT IMAGE SIGNAL | LUMINANCE WEIGHT | | | | | | | | | |
|--------------------------|------------------|--------|--------|---------|---------|---------|---------|---------|---------|-----------|
| | 1(SF1) | 2(SF2) | 5(SF3) | 10(SF4) | 20(SF5) | 33(SF6) | 48(SF7) | 66(SF8) | 87(SF9) | 111(SF10) |
| 0 | | | | | | | | | | |
| 1 | 1 | | | | | | | | | |
| 2 | | 1 | | | | | | | | |
| 3 | 1 | 1 | | | | | | | | |
| 5 | | | 1 | | | | | | | |
| 6 | 1 | | 1 | | | | | | | |
| : | | | | | | | | | | |
| 10 | | | | 1 | | | | | | |
| 11 | 1 | | | 1 | | | | | | |
| 12 | | 1 | | 1 | | | | | | |
| 13 | 1 | 1 | | 1 | | | | | | |
| 15 | | | 1 | 1 | | | | | | |
| 16 | | | 1 | 1 | | | | | | |
| : | | | | | | | | | | |
| 20 | | | | | 1 | | | | | |
| 30 | | | | 1 | 1 | | | | | |
| 40 | | 1 | 1 | | | 1 | | | | |
| 50 | | 1 | 1 | 1 | | 1 | | | | |
| 60 | | 1 | 1 | | 1 | 1 | | | | |
| 70 | | 1 | | | 1 | | 1 | | | |
| 80 | | 1 | | 1 | 1 | | 1 | | | |
| 91 | | | | 1 | | 1 | 1 | | | |
| 101 | | | | | 1 | 1 | 1 | | | |
| 111 | | | | 1 | 1 | 1 | 1 | | | |
| 119 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 130 | 1 | | | 1 | 1 | 1 | | 1 | | |
| 140 | 1 | | 1 | | 1 | | 1 | 1 | | |
| 150 | 1 | 1 | | | | 1 | 1 | 1 | | |
| 160 | 1 | 1 | | 1 | | 1 | 1 | 1 | | |
| 170 | 1 | 1 | | | 1 | 1 | 1 | 1 | | |
| 180 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | |
| 191 | 1 | 1 | | | 1 | 1 | 1 | | 1 | |
| 201 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | |
| 211 | | | 1 | | 1 | 1 | | 1 | 1 | |
| 221 | | | | | 1 | | 1 | 1 | 1 | |
| 231 | | | | 1 | 1 | | 1 | 1 | 1 | |
| 240 | 1 | | 1 | | | 1 | 1 | 1 | 1 | |
| 250 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | |
| 260 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | |
| 273 | | | 1 | 1 | | 1 | 1 | 1 | | 1 |
| 283 | | | 1 | | 1 | 1 | 1 | 1 | | 1 |
| 293 | | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 |
| 300 | 1 | 1 | | | | 1 | | 1 | 1 | 1 |
| 310 | 1 | 1 | | 1 | | 1 | | 1 | 1 | 1 |
| 320 | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 |
| 330 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 |
| 340 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 |
| 350 | | | 1 | | | 1 | 1 | 1 | 1 | 1 |
| 360 | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 |
| 370 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 |
| 380 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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FIG. 7



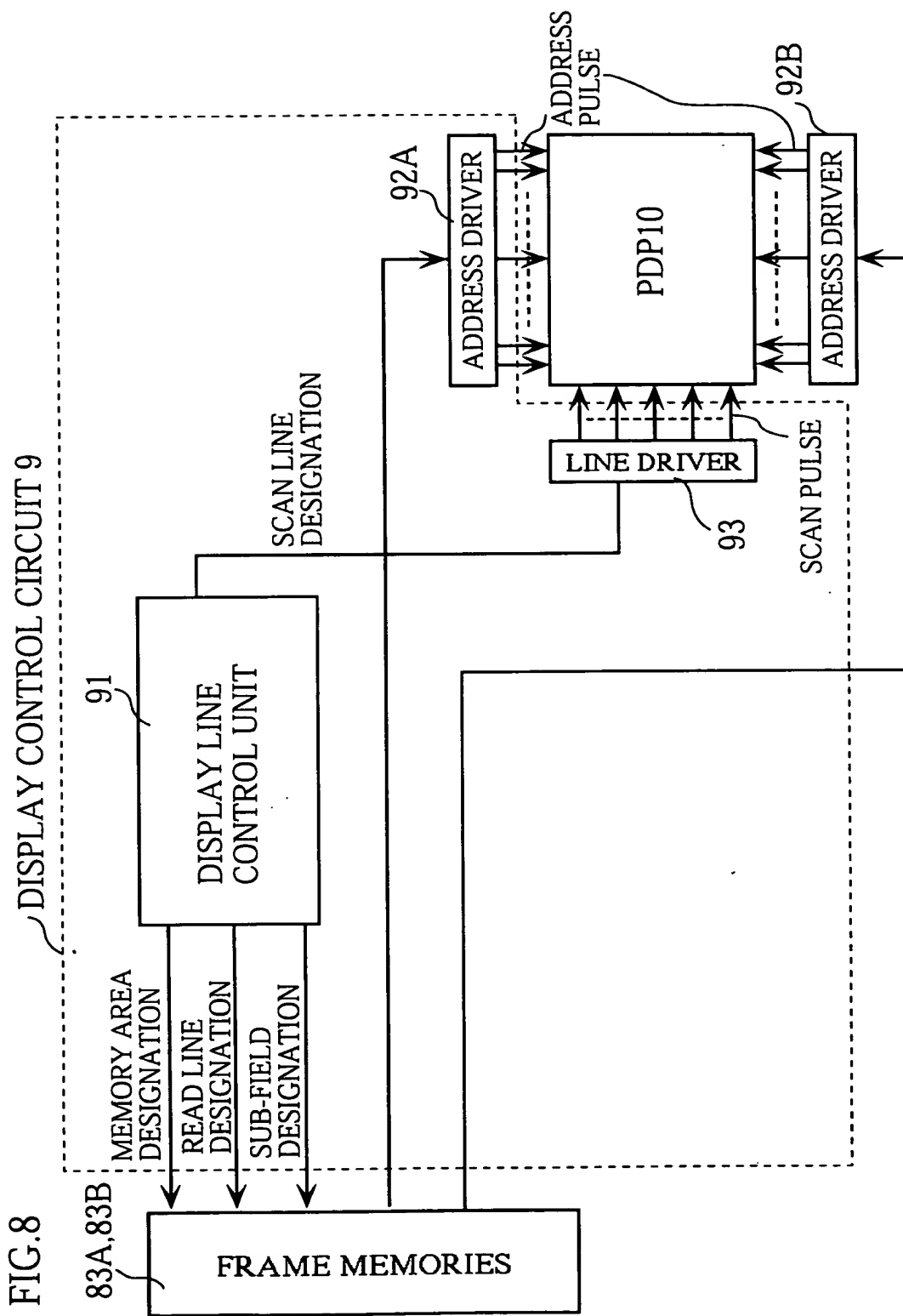


FIG. 9

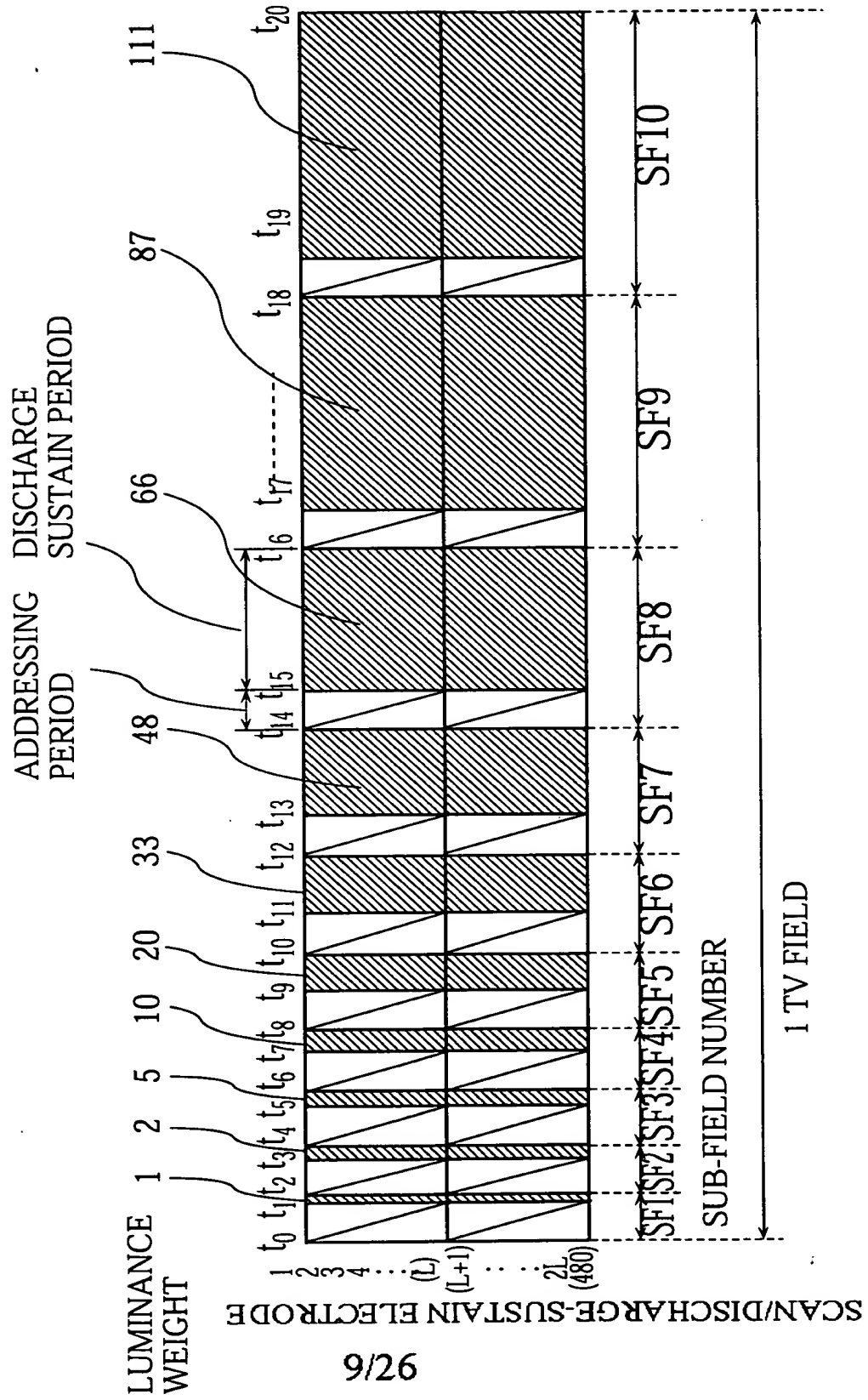
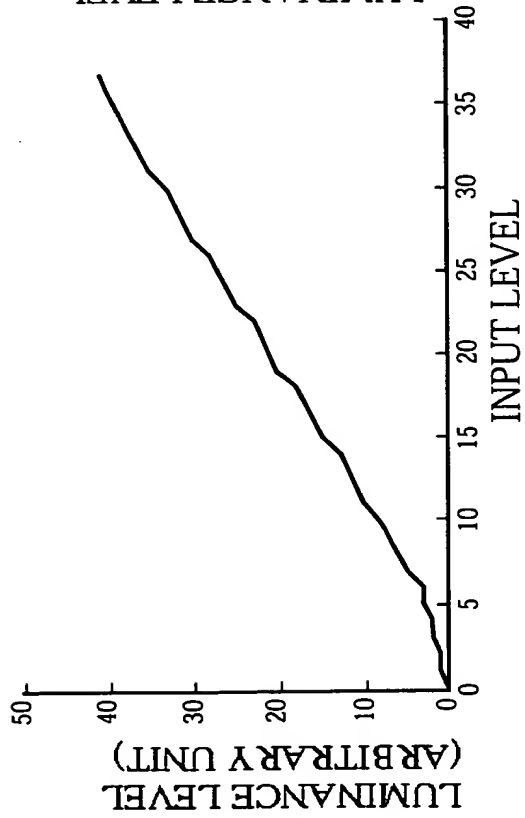


FIG.10

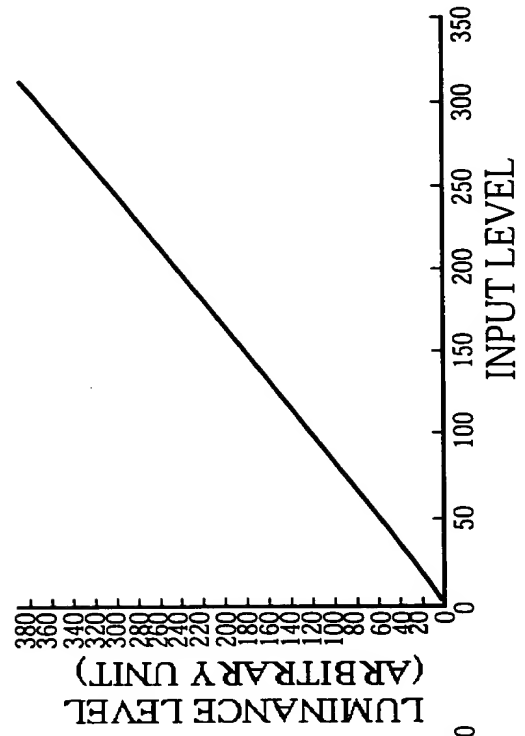
(a)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| INPUT LEVEL | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 |
| LUMINANCE LEVEL | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 15 | 16 | 17 | 18 | 20 | 21 | 22 | 23 | 25 | 26 | 27 | 28 | 30 | 31 | 32 | 33 | 35 | 36 | 37 | 38 | 39 | 40 | 41 |

(b)



(c)



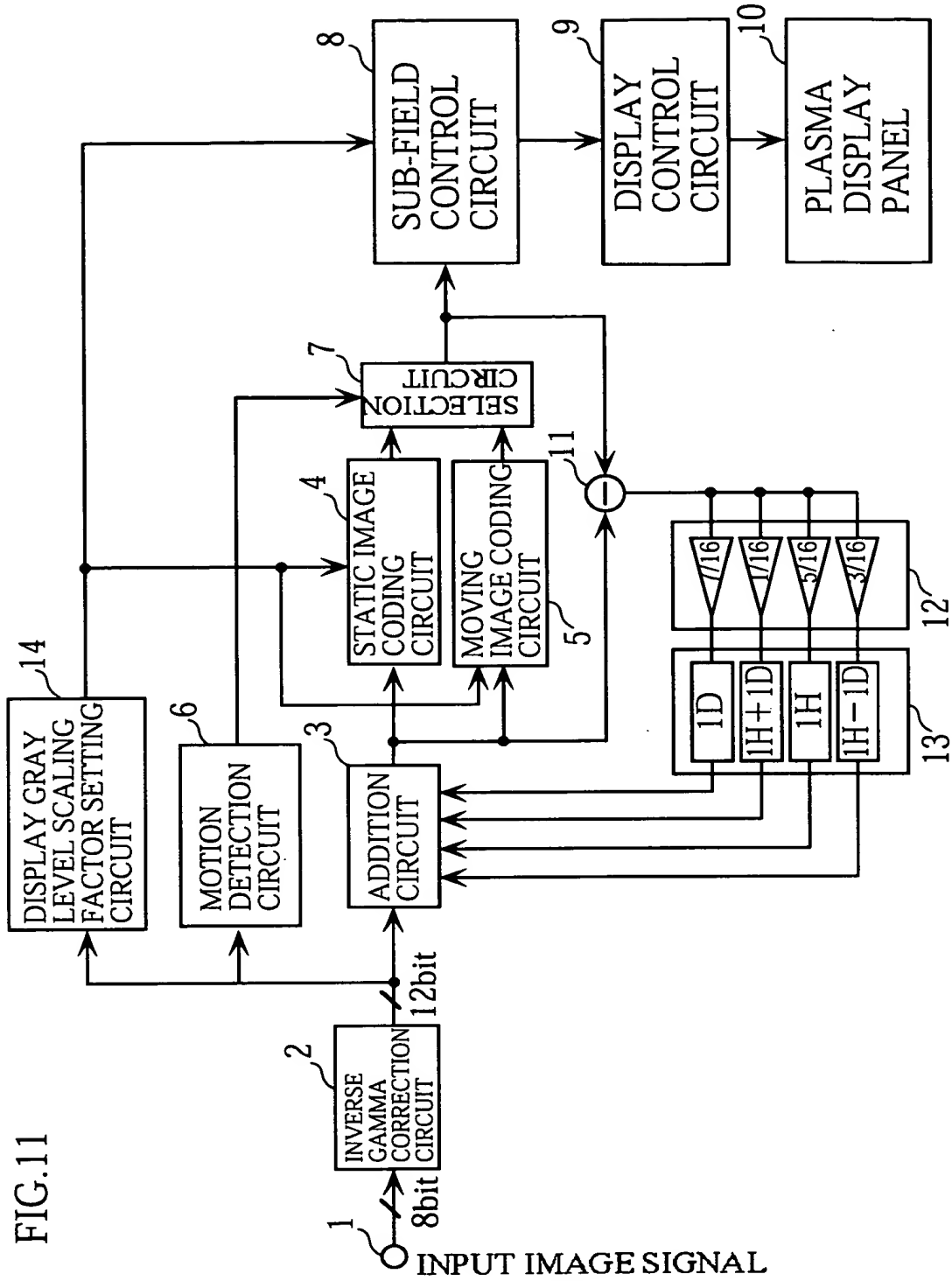


FIG.12

| (a) K=1 | | | | | |
|--------------------------|-----|-----|-----|-----|-----|
| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
| 0 | | | | | |
| 1 | 1 | | | | |
| 2 | | 1 | | | |
| 3 | 1 | 1 | | | |
| 4 | 1 | | 1 | | |
| 5 | | 1 | 1 | | |
| 6 | 1 | 1 | 1 | | |
| 7 | 1 | | | 1 | |
| 8 | | 1 | | 1 | |
| 9 | 1 | 1 | | 1 | |
| 10 | 1 | | 1 | 1 | |
| 11 | | 1 | 1 | 1 | |
| 12 | 1 | 1 | 1 | 1 | |
| 13 | 1 | 1 | | | 1 |
| 14 | 1 | | 1 | | 1 |
| 15 | | 1 | 1 | | 1 |
| 16 | 1 | 1 | 1 | | 1 |
| 17 | 1 | | | 1 | 1 |
| 18 | | 1 | | 1 | 1 |
| 19 | 1 | 1 | | 1 | 1 |
| 20 | 1 | | 1 | 1 | 1 |
| 21 | | 1 | 1 | 1 | 1 |
| 22 | 1 | 1 | 1 | 1 | 1 |

| (b) K=2 | | | | | |
|--------------------------|-----|-----|-----|-----|-----|
| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
| 0 | | | | | |
| 2 | 1 | | | | |
| 4 | | 1 | | | |
| 6 | 1 | 1 | | | |
| 8 | 1 | | 1 | | |
| 10 | | 1 | 1 | | |
| 12 | 1 | 1 | 1 | | |
| 14 | 1 | | | 1 | |
| 16 | | 1 | | 1 | |
| 18 | 1 | 1 | | 1 | |
| 20 | 1 | | 1 | 1 | |
| 22 | | 1 | 1 | 1 | |
| 24 | 1 | 1 | 1 | 1 | |
| 26 | 1 | 1 | | | 1 |
| 28 | 1 | | 1 | | 1 |
| 30 | | 1 | 1 | | 1 |
| 32 | 1 | 1 | 1 | | 1 |
| 34 | 1 | | | 1 | 1 |
| 36 | | 1 | | 1 | 1 |
| 38 | 1 | 1 | | 1 | 1 |
| 40 | 1 | | 1 | 1 | 1 |
| 42 | | 1 | 1 | 1 | 1 |
| 44 | 1 | 1 | 1 | 1 | 1 |

| (c) K=3 | | | | | |
|--------------------------|-----|-----|-----|-----|-----|
| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
| 0 | | | | | |
| 3 | 1 | | | | |
| 6 | | 1 | | | |
| 9 | 1 | 1 | | | |
| 12 | 1 | | 1 | | |
| 15 | | 1 | 1 | | |
| 18 | 1 | 1 | 1 | | |
| 21 | 1 | | | 1 | |
| 24 | | 1 | | 1 | |
| 27 | 1 | 1 | | 1 | |
| 30 | 1 | | 1 | 1 | |
| 33 | | 1 | 1 | 1 | |
| 36 | 1 | 1 | 1 | 1 | |
| 39 | 1 | 1 | | | 1 |
| 42 | 1 | | 1 | | 1 |
| 45 | | 1 | 1 | | 1 |
| 48 | 1 | 1 | 1 | | 1 |
| 51 | 1 | | | 1 | 1 |
| 54 | | 1 | | 1 | 1 |
| 57 | 1 | 1 | | 1 | 1 |
| 60 | 1 | | 1 | 1 | 1 |
| 63 | | 1 | 1 | 1 | 1 |
| 66 | 1 | 1 | 1 | 1 | 1 |

| (d) K=4 | | | | | |
|--------------------------|-----|-----|-----|-----|-----|
| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
| 0 | | | | | |
| 4 | 1 | | | | |
| 8 | | 1 | | | |
| 12 | 1 | 1 | | | |
| 16 | 1 | | 1 | | |
| 20 | | 1 | 1 | | |
| 24 | 1 | 1 | 1 | | |
| 28 | 1 | | | 1 | |
| 32 | | 1 | | 1 | |
| 36 | 1 | 1 | | 1 | |
| 40 | 1 | | 1 | 1 | |
| 44 | | 1 | 1 | 1 | |
| 48 | 1 | 1 | 1 | 1 | |
| 52 | 1 | 1 | | | 1 |
| 56 | 1 | | 1 | | 1 |
| 60 | | 1 | 1 | | 1 |
| 64 | 1 | 1 | 1 | | 1 |
| 68 | 1 | | | 1 | 1 |
| 72 | | 1 | | 1 | 1 |
| 76 | 1 | 1 | | 1 | 1 |
| 80 | 1 | | 1 | 1 | 1 |
| 84 | | 1 | 1 | 1 | 1 |
| 88 | 1 | 1 | 1 | 1 | 1 |

| (e) K=5 | | | | | |
|--------------------------|-----|-----|-----|-----|-----|
| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
| 0 | | | | | |
| 5 | 1 | | | | |
| 10 | | 1 | | | |
| 15 | 1 | 1 | | | |
| 20 | 1 | | 1 | | |
| 25 | | 1 | 1 | | |
| 30 | 1 | 1 | 1 | | |
| 35 | 1 | | | 1 | |
| 40 | | 1 | | 1 | |
| 45 | 1 | 1 | | 1 | |
| 50 | 1 | | 1 | 1 | |
| 55 | | 1 | 1 | 1 | |
| 60 | 1 | 1 | 1 | 1 | |
| 65 | 1 | 1 | | | 1 |
| 70 | 1 | | 1 | | 1 |
| 75 | | 1 | 1 | | 1 |
| 80 | 1 | 1 | 1 | | 1 |
| 85 | 1 | | | 1 | 1 |
| 90 | | 1 | | 1 | 1 |
| 95 | 1 | 1 | | 1 | 1 |
| 100 | 1 | | 1 | 1 | 1 |
| 105 | | 1 | 1 | 1 | 1 |
| 110 | 1 | 1 | 1 | 1 | 1 |

FIG.13

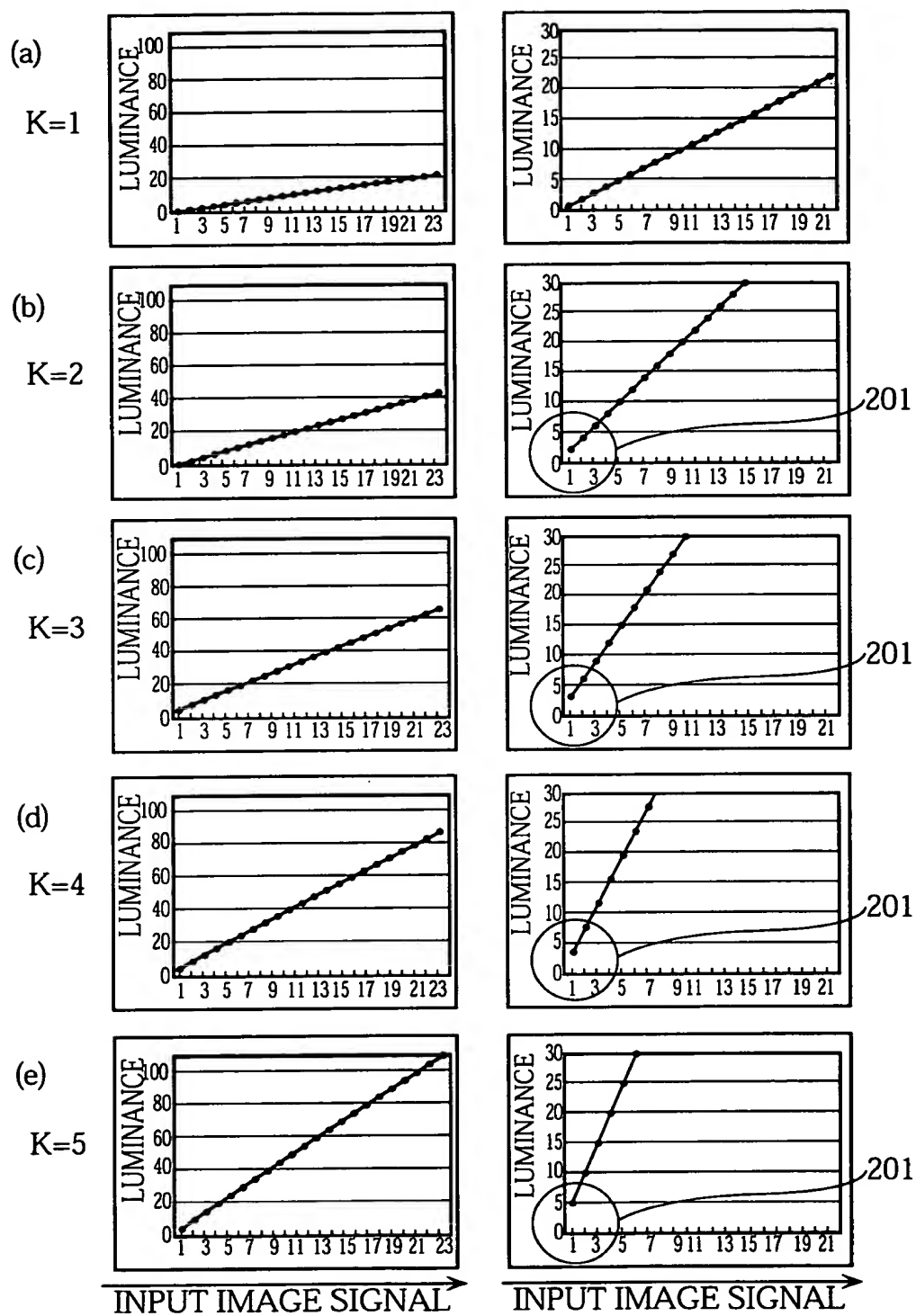


FIG.14

(a) K=1

| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
|--------------------------|-----|-----|-----|-----|-----|
| 0 | 1 | | | | |
| 1 | 1 | | | | |
| 2 | 1 | | | | |
| 3 | 1 | | | | |
| 4 | 1 | | | | |
| 5 | 1 | | | | |
| 6 | 1 | | | | |
| 7 | 1 | | | | |
| 8 | 1 | | | | |
| 9 | 1 | | | | |
| 10 | 1 | | | | |
| 11 | 1 | | | | |
| 12 | 1 | | | | |
| 13 | 1 | | | | |
| 14 | 1 | | | | |
| 15 | 1 | | | | |
| 16 | 1 | | | | |
| 17 | 1 | | | | |
| 18 | 1 | | | | |
| 19 | 1 | | | | |
| 20 | 1 | | | | |
| 21 | 1 | | | | |
| 22 | 1 | | | | |

(b) K=2

| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
|--------------------------|-----|-----|-----|-----|-----|
| 0 | 1 | 1 | | | |
| 1 | 1 | 1 | | | |
| 2 | 1 | 1 | | | |
| 3 | 1 | 1 | | | |
| 4 | 1 | 1 | | | |
| 5 | 1 | 1 | | | |
| 6 | 1 | 1 | | | |
| 7 | 1 | 1 | | | |
| 8 | 1 | 1 | | | |
| 9 | 1 | 1 | | | |
| 10 | 1 | 1 | | | |
| 11 | 1 | 1 | | | |
| 12 | 1 | 1 | | | |
| 13 | 1 | 1 | | | |
| 14 | 1 | 1 | | | |
| 15 | 1 | 1 | | | |
| 16 | 1 | 1 | | | |
| 17 | 1 | 1 | | | |
| 18 | 1 | 1 | | | |
| 19 | 1 | 1 | | | |
| 20 | 1 | 1 | | | |
| 21 | 1 | 1 | | | |
| 22 | 1 | 1 | | | |
| 23 | 1 | 1 | | | |
| 24 | 1 | 1 | | | |
| 25 | 1 | 1 | | | |
| 26 | 1 | 1 | | | |
| 27 | 1 | 1 | | | |
| 28 | 1 | 1 | | | |
| 29 | 1 | 1 | | | |
| 30 | 1 | 1 | | | |
| 31 | 1 | 1 | | | |
| 32 | 1 | 1 | | | |
| 33 | 1 | 1 | | | |
| 34 | 1 | 1 | | | |
| 35 | 1 | 1 | | | |
| 36 | 1 | 1 | | | |
| 37 | 1 | 1 | | | |
| 38 | 1 | 1 | | | |
| 39 | 1 | 1 | | | |
| 40 | 1 | 1 | | | |
| 41 | 1 | 1 | | | |
| 42 | 1 | 1 | | | |
| 43 | 1 | 1 | | | |
| 44 | 1 | 1 | | | |

(c) K=3

| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
|--------------------------|-----|-----|-----|-----|-----|
| 0 | 1 | 1 | | | |
| 1 | 1 | 1 | | | |
| 2 | 1 | 1 | | | |
| 3 | 1 | 1 | | | |
| 4 | 1 | 1 | | | |
| 5 | 1 | 1 | | | |
| 6 | 1 | 1 | | | |
| 7 | 1 | 1 | | | |
| 8 | 1 | 1 | | | |
| 9 | 1 | 1 | | | |
| 10 | 1 | 1 | | | |
| 11 | 1 | 1 | | | |
| 12 | 1 | 1 | | | |
| 13 | 1 | 1 | | | |
| 14 | 1 | 1 | | | |
| 15 | 1 | 1 | | | |
| 16 | 1 | 1 | | | |
| 17 | 1 | 1 | | | |
| 18 | 1 | 1 | | | |
| 19 | 1 | 1 | | | |
| 20 | 1 | 1 | | | |
| 21 | 1 | 1 | | | |
| 22 | 1 | 1 | | | |
| 23 | 1 | 1 | | | |
| 24 | 1 | 1 | | | |
| 25 | 1 | 1 | | | |
| 26 | 1 | 1 | | | |
| 27 | 1 | 1 | | | |
| 28 | 1 | 1 | | | |
| 29 | 1 | 1 | | | |
| 30 | 1 | 1 | | | |
| 31 | 1 | 1 | | | |
| 32 | 1 | 1 | | | |
| 33 | 1 | 1 | | | |
| 34 | 1 | 1 | | | |
| 35 | 1 | 1 | | | |
| 36 | 1 | 1 | | | |
| 37 | 1 | 1 | | | |
| 38 | 1 | 1 | | | |
| 39 | 1 | 1 | | | |
| 40 | 1 | 1 | | | |
| 41 | 1 | 1 | | | |
| 42 | 1 | 1 | | | |
| 43 | 1 | 1 | | | |
| 44 | 1 | 1 | | | |
| 45 | 1 | 1 | | | |
| 46 | 1 | 1 | | | |
| 47 | 1 | 1 | | | |
| 48 | 1 | 1 | | | |
| 49 | 1 | 1 | | | |
| 50 | 1 | 1 | | | |
| 51 | 1 | 1 | | | |
| 52 | 1 | 1 | | | |
| 53 | 1 | 1 | | | |
| 54 | 1 | 1 | | | |
| 55 | 1 | 1 | | | |
| 56 | 1 | 1 | | | |
| 57 | 1 | 1 | | | |
| 58 | 1 | 1 | | | |
| 59 | 1 | 1 | | | |
| 60 | 1 | 1 | | | |
| 61 | 1 | 1 | | | |
| 62 | 1 | 1 | | | |
| 63 | 1 | 1 | | | |
| 64 | 1 | 1 | | | |
| 65 | 1 | 1 | | | |
| 66 | 1 | 1 | | | |

(d) K=4

| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
|--------------------------|-----|-----|-----|-----|-----|
| 0 | 1 | 1 | | | |
| 1 | 1 | 1 | | | |
| 2 | 1 | 1 | | | |
| 3 | 1 | 1 | | | |
| 4 | 1 | 1 | | | |
| 5 | 1 | 1 | | | |
| 6 | 1 | 1 | | | |
| 7 | 1 | 1 | | | |
| 8 | 1 | 1 | | | |
| 9 | 1 | 1 | | | |
| 10 | 1 | 1 | | | |
| 11 | 1 | 1 | | | |
| 12 | 1 | 1 | | | |
| 13 | 1 | 1 | | | |
| 14 | 1 | 1 | | | |
| 15 | 1 | 1 | | | |
| 16 | 1 | 1 | | | |
| 17 | 1 | 1 | | | |
| 18 | 1 | 1 | | | |
| 19 | 1 | 1 | | | |
| 20 | 1 | 1 | | | |
| 21 | 1 | 1 | | | |
| 22 | 1 | 1 | | | |
| 23 | 1 | 1 | | | |
| 24 | 1 | 1 | | | |
| 25 | 1 | 1 | | | |
| 26 | 1 | 1 | | | |
| 27 | 1 | 1 | | | |
| 28 | 1 | 1 | | | |
| 29 | 1 | 1 | | | |
| 30 | 1 | 1 | | | |
| 31 | 1 | 1 | | | |
| 32 | 1 | 1 | | | |
| 33 | 1 | 1 | | | |
| 34 | 1 | 1 | | | |
| 35 | 1 | 1 | | | |
| 36 | 1 | 1 | | | |
| 37 | 1 | 1 | | | |
| 38 | 1 | 1 | | | |
| 39 | 1 | 1 | | | |
| 40 | 1 | 1 | | | |
| 41 | 1 | 1 | | | |
| 42 | 1 | 1 | | | |
| 43 | 1 | 1 | | | |
| 44 | 1 | 1 | | | |
| 45 | 1 | 1 | | | |
| 46 | 1 | 1 | | | |
| 47 | 1 | 1 | | | |
| 48 | 1 | 1 | | | |
| 49 | 1 | 1 | | | |
| 50 | 1 | 1 | | | |
| 51 | 1 | 1 | | | |
| 52 | 1 | 1 | | | |
| 53 | 1 | 1 | | | |
| 54 | 1 | 1 | | | |
| 55 | 1 | 1 | | | |
| 56 | 1 | 1 | | | |
| 57 | 1 | 1 | | | |
| 58 | 1 | 1 | | | |
| 59 | 1 | 1 | | | |
| 60 | 1 | 1 | | | |
| 61 | 1 | 1 | | | |
| 62 | 1 | 1 | | | |
| 63 | 1 | 1 | | | |
| 64 | 1 | 1 | | | |
| 65 | 1 | 1 | | | |
| 66 | 1 | 1 | | | |
| 67 | 1 | 1 | | | |
| 68 | 1 | 1 | | | |
| 69 | 1 | 1 | | | |
| 70 | 1 | 1 | | | |
| 71 | 1 | 1 | | | |
| 72 | 1 | 1 | | | |
| 73 | 1 | 1 | | | |
| 74 | 1 | 1 | | | |
| 75 | 1 | 1 | | | |
| 76 | 1 | 1 | | | |
| 77 | 1 | 1 | | | |
| 78 | 1 | 1 | | | |
| 79 | 1 | 1 | | | |
| 80 | 1 | 1 | | | |
| 81 | 1 | 1 | | | |
| 82 | 1 | 1 | | | |
| 83 | 1 | 1 | | | |
| 84 | 1 | 1 | | | |
| 85 | 1 | 1 | | | |
| 86 | 1 | 1 | | | |
| 87 | 1 | 1 | | | |
| 88 | 1 | 1 | | | |

(e) K=5

| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
|--------------------------|-----|-----|-----|-----|-----|
| 0 | 1 | 1 | | | |
| 1 | 1 | 1 | | | |
| 2 | 1 | 1 | | | |
| 3 | 1 | 1 | | | |
| 4 | 1 | 1 | | | |
| 5 | 1 | 1 | | | |
| 6 | 1 | 1 | | | |
| 7 | 1 | 1 | | | |
| 8 | 1 | 1 | | | |
| 9 | 1 | 1 | | | |
| 10 | 1 | 1 | | | |
| 11 | 1 | 1 | | | |
| 12 | 1 | 1 | | | |
| 13 | 1 | 1 | | | |
| 14 | 1 | 1 | | | |
| 15 | 1 | 1 | | | |
| 16 | 1 | 1 | | | |
| 17 | 1 | 1 | | | |
| 18 | 1 | 1 | | | |
| 19 | 1 | 1 | | | |
| 20 | 1 | 1 | | | |
| 21 | 1 | 1 | | | |
| 22 | 1 | 1 | | | |
| 23 | 1 | 1 | | | |
| 24 | 1 | 1 | | | |
| 25 | 1 | 1 | | | |
| 26 | 1 | 1 | | | |
| 27 | 1 | 1 | | | |
| 28 | 1 | 1 | | | |
| 29 | 1 | 1 | | | |
| 30 | 1 | 1 | | | |
| 31 | 1 | 1 | | | |
| 32 | 1 | 1 | | | |
| 33 | 1 | 1 | | | |
| 34 | 1 | 1 | | | |
| 35 | 1 | 1 | | | |
| 36 | 1 | 1 | | | |
| 37 | 1 | 1 | | | |
| 38 | 1 | 1 | | | |
| 39 | 1 | 1 | | | |
| 40 | 1 | 1 | | | |
| 41 | 1 | 1 | | | |
| 42 | 1 | 1 | | | |
| 43 | 1 | 1 | | | |
| 44 | 1 | 1 | | | |
| 45 | 1 | 1 | | | |
| 46 | 1 | 1 | | | |
| 47 | 1 | 1 | | | |
| 48 | 1 | 1 | | | |
| 49 | 1 | 1 | | | |
| 50 | 1 | 1 | | | |
| 51 | 1 | 1 | | | |
| 52 | 1 | 1 | | | |
| 53 | 1 | 1 | | | |
| 54 | 1 | 1 | | | |
| 55 | 1 | 1 | | | |
| 56 | 1 | 1 | | | |
| 57 | 1 | 1 | | | |
| 58 | 1 | 1 | | | |
| 59 | 1 | 1 | | | |
| 60 | 1 | 1 | | | |
| 61 | 1 | 1 | | | |
| 62 | 1 | 1 | | | |
| 63 | 1 | 1 | | | |
| 64 | 1 | 1 | | | |
| 65 | 1 | 1 | | | |
| 66 | 1 | 1 | | | |
| 67 | 1 | 1 | | | |
| 68 | 1 | 1 | | | |
| 69 | 1 | 1 | | | |
| 70 | 1 | 1 | | | |
| 71 | 1 | 1 | | | |
| 72 | 1 | 1 | | | |
| 73 | 1 | 1 | | | |
| 74 | 1 | 1 | | | |
| 75 | 1 | 1 | | | |
| 76 | 1 | 1 | | | |
| 77 | 1 | 1 | | | |

FIG.15

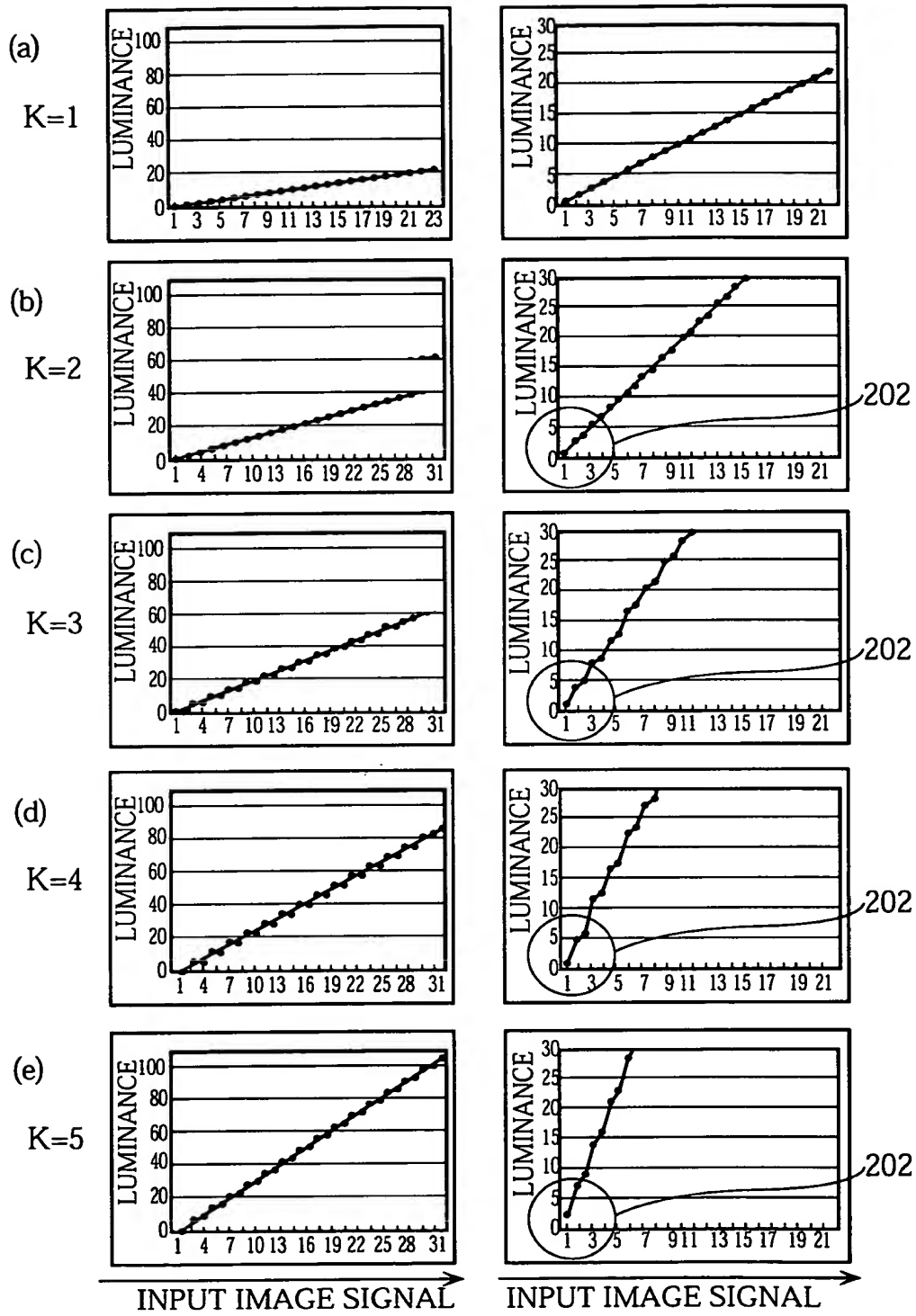
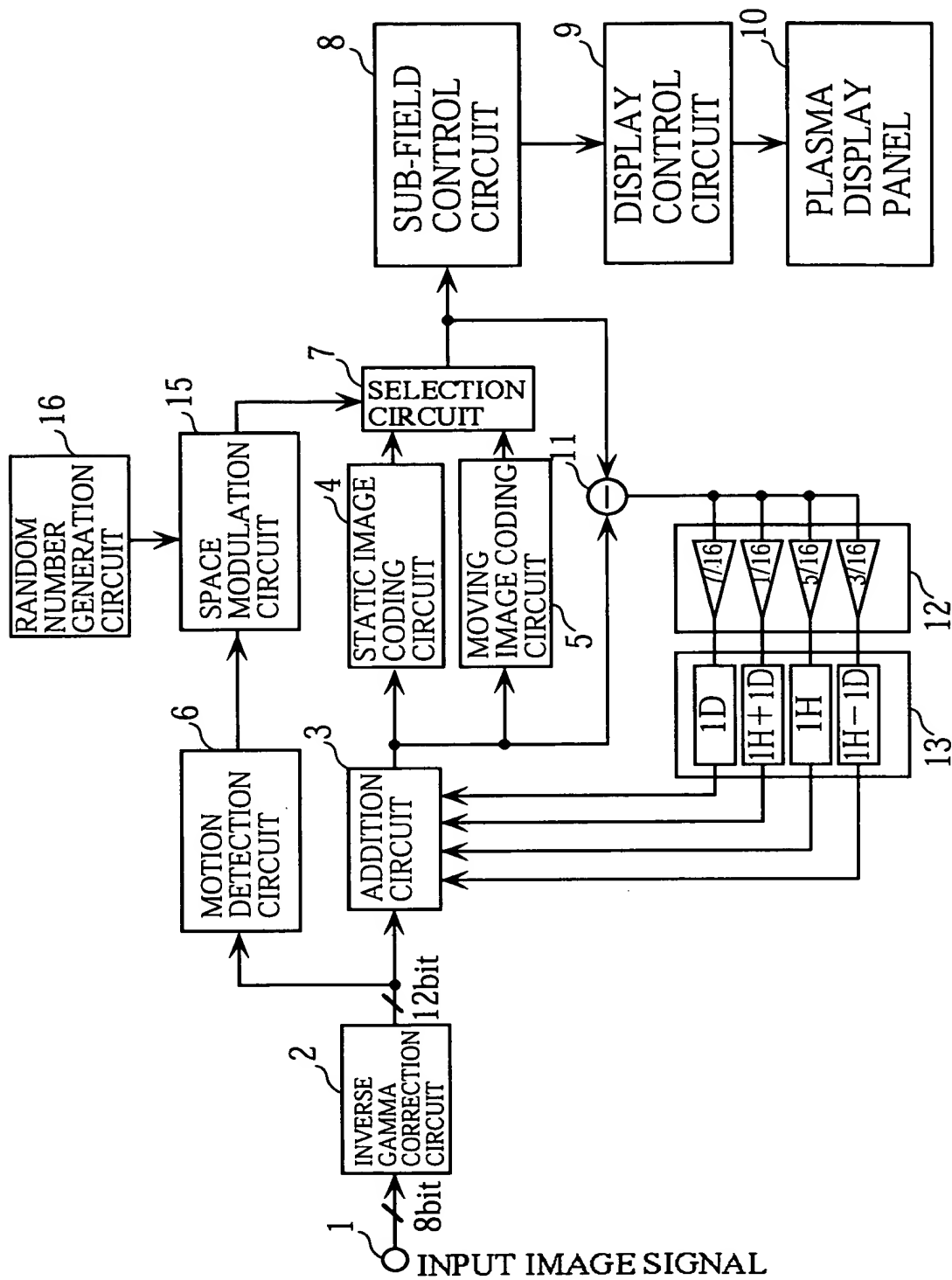


FIG. 16



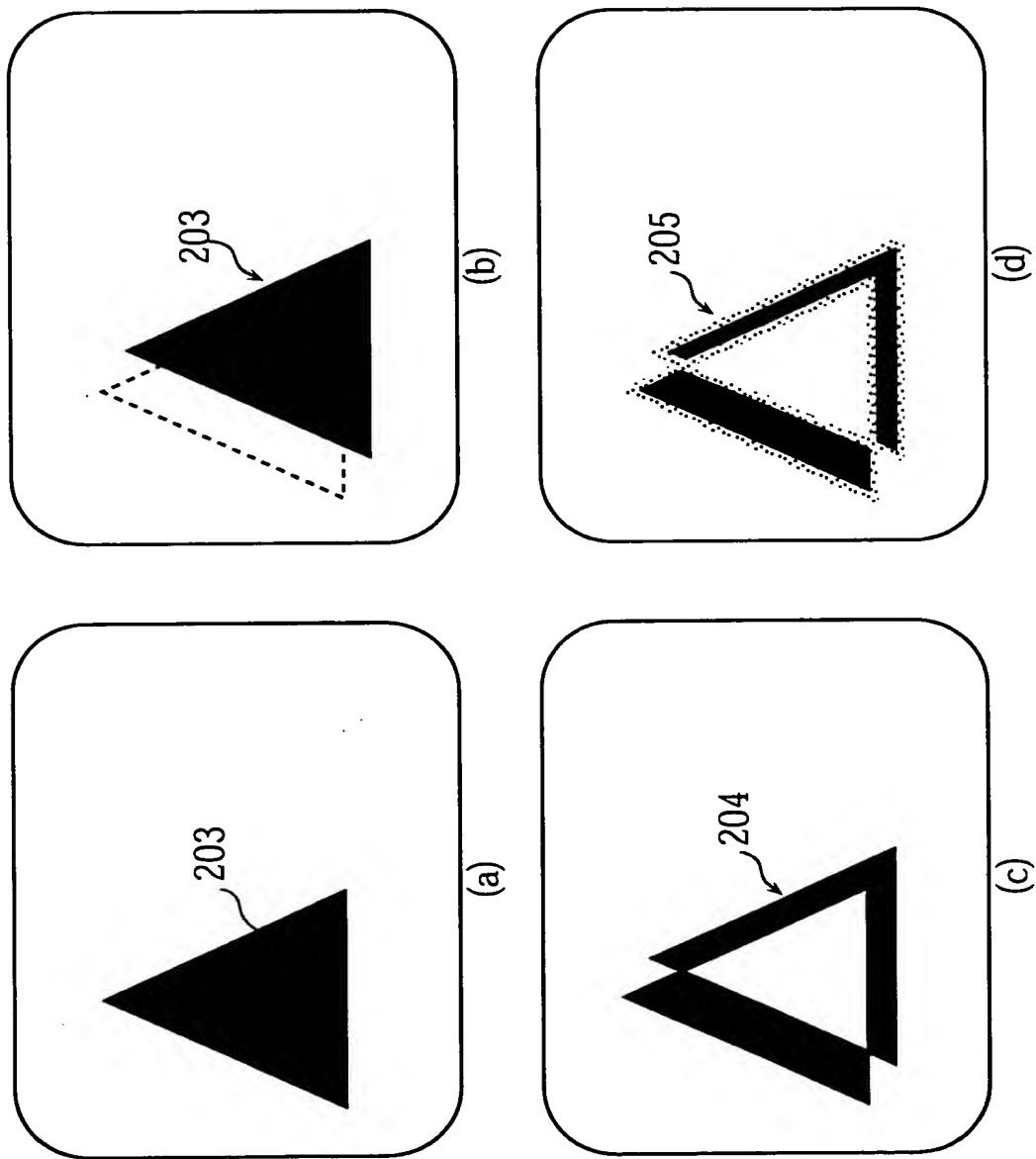


FIG. 17

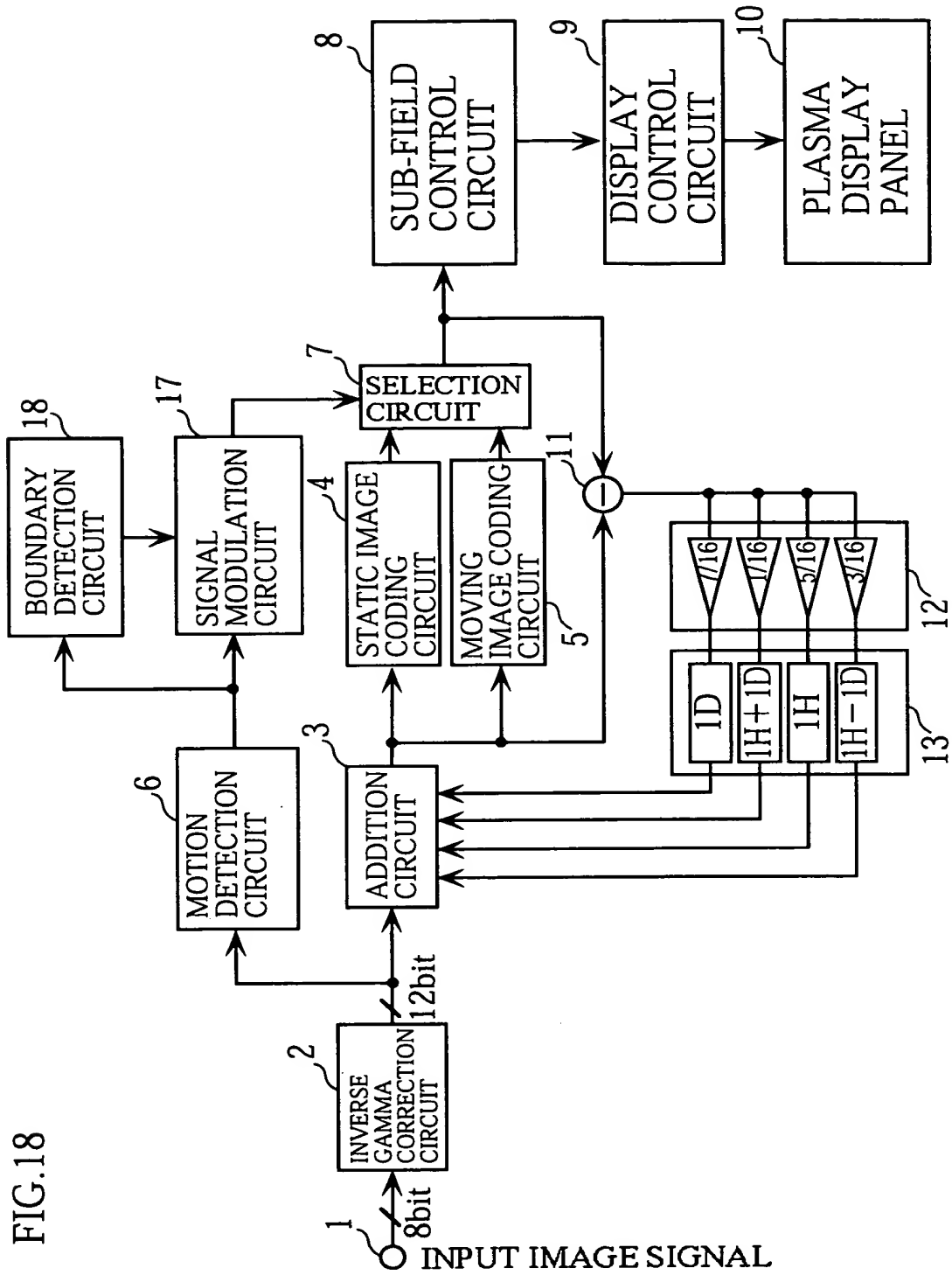


FIG. 19

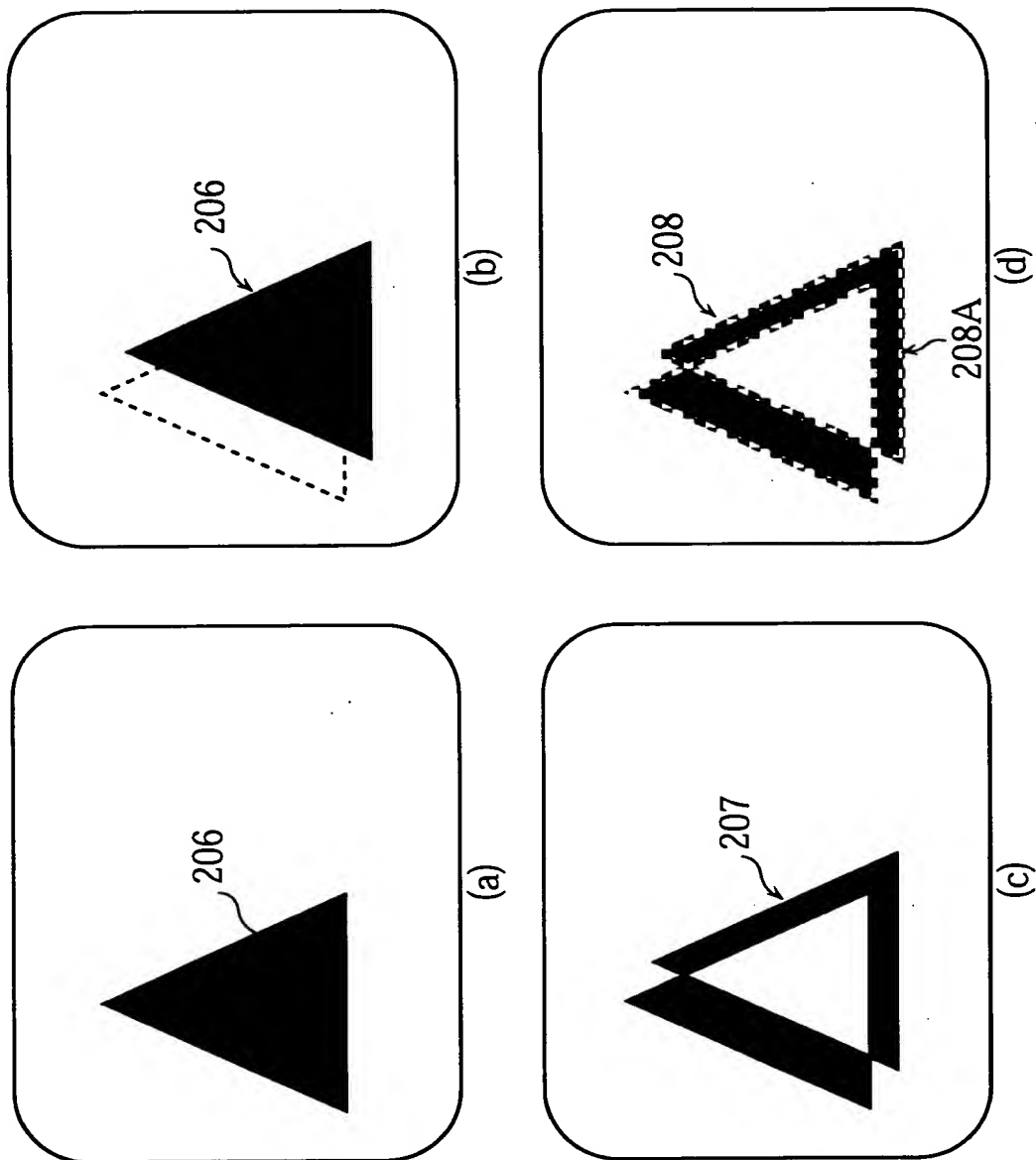


FIG. 20

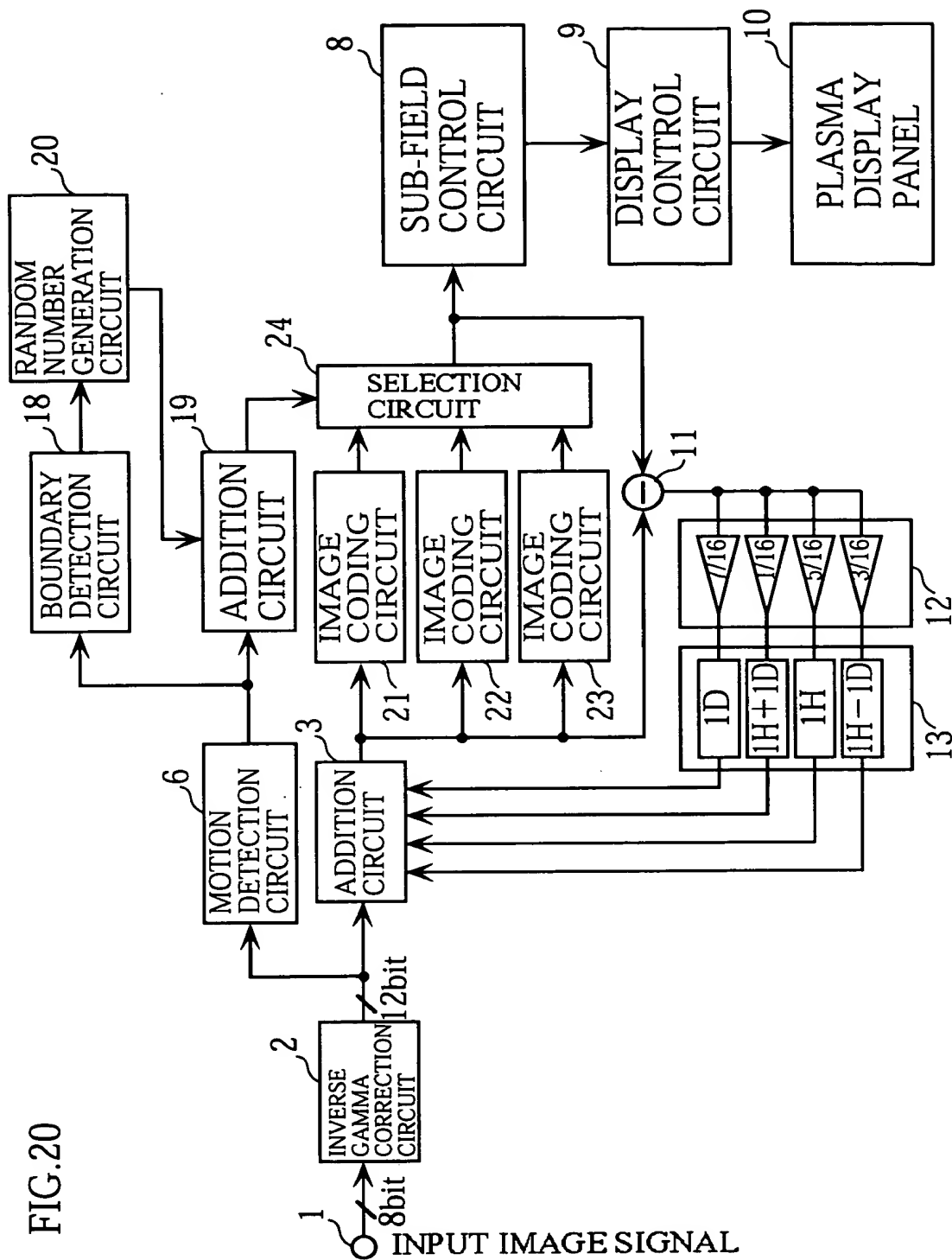


FIG.21

(a)

| | | SUB-FIELD LUMINANCE WEIGHTING | | | | | | | |
|-------------|-----|-------------------------------|---|---|---|----|----|----|-----|
| | | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 |
| INPUT LEVEL | 0 | | | | | | | | |
| | 1 | 1 | | | | | | | |
| | 2 | | 1 | | | | | | |
| | 3 | 1 | 1 | | | | | | |
| | 4 | | | 1 | | | | | |
| | 5 | 1 | | 1 | | | | | |
| | ... | | | | | | | | |
| | 31 | 1 | 1 | 1 | 1 | 1 | | | |
| | 32 | | | | | | 1 | | |
| | ... | | | | | | | | |
| | 63 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 64 | | | | | | | 1 | |
| | 65 | 1 | | | | | | 1 | |
| | ... | | | | | | | | |
| | 127 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 128 | | | | | | | | 1 |
| | 129 | 1 | | | | | | | 1 |
| | ... | | | | | | | | |
| | 254 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 255 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

(b)

| | | SUB-FIELD LUMINANCE WEIGHTING | | | | | | | |
|-------------|---------|-------------------------------|---|---|---|----|----|----|-----|
| | | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 |
| INPUT LEVEL | 0 | | | | | | | | |
| | 1 | 1 | | | | | | | |
| | 2 | | 1 | | | | | | |
| | 3 | 1 | 1 | | | | | | |
| | 4 | | | 1 | | | | | |
| | 5-6 | 1 | | 1 | | | | | |
| | 7-8 | 1 | 1 | 1 | | | | | |
| | 9-12 | 1 | 1 | | 1 | | | | |
| | 13-18 | 1 | 1 | 1 | 1 | | | | |
| | 19-26 | 1 | 1 | 1 | | 1 | | | |
| | 27-38 | 1 | 1 | 1 | 1 | 1 | | | |
| | 39-54 | 1 | 1 | 1 | 1 | | 1 | | |
| | 55-78 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 79-110 | 1 | 1 | 1 | 1 | 1 | | 1 | |
| | 111-158 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 159-222 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 |
| | 223-255 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

(c)

| | | SUB-FIELD LUMINANCE WEIGHTING | | | | | | | |
|-------------|---------|-------------------------------|---|---|---|----|----|----|-----|
| | | 1 | 2 | 4 | 8 | 16 | 32 | 64 | 128 |
| INPUT LEVEL | 0 | | | | | | | | |
| | 1-2 | 1 | | | | | | | |
| | 3-5 | 1 | 1 | | | | | | |
| | 6-11 | 1 | 1 | 1 | | | | | |
| | 12-23 | 1 | 1 | 1 | 1 | | | | |
| | 24-47 | 1 | 1 | 1 | 1 | 1 | | | |
| | 48-95 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | 96-191 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 192-255 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

FIG. 22

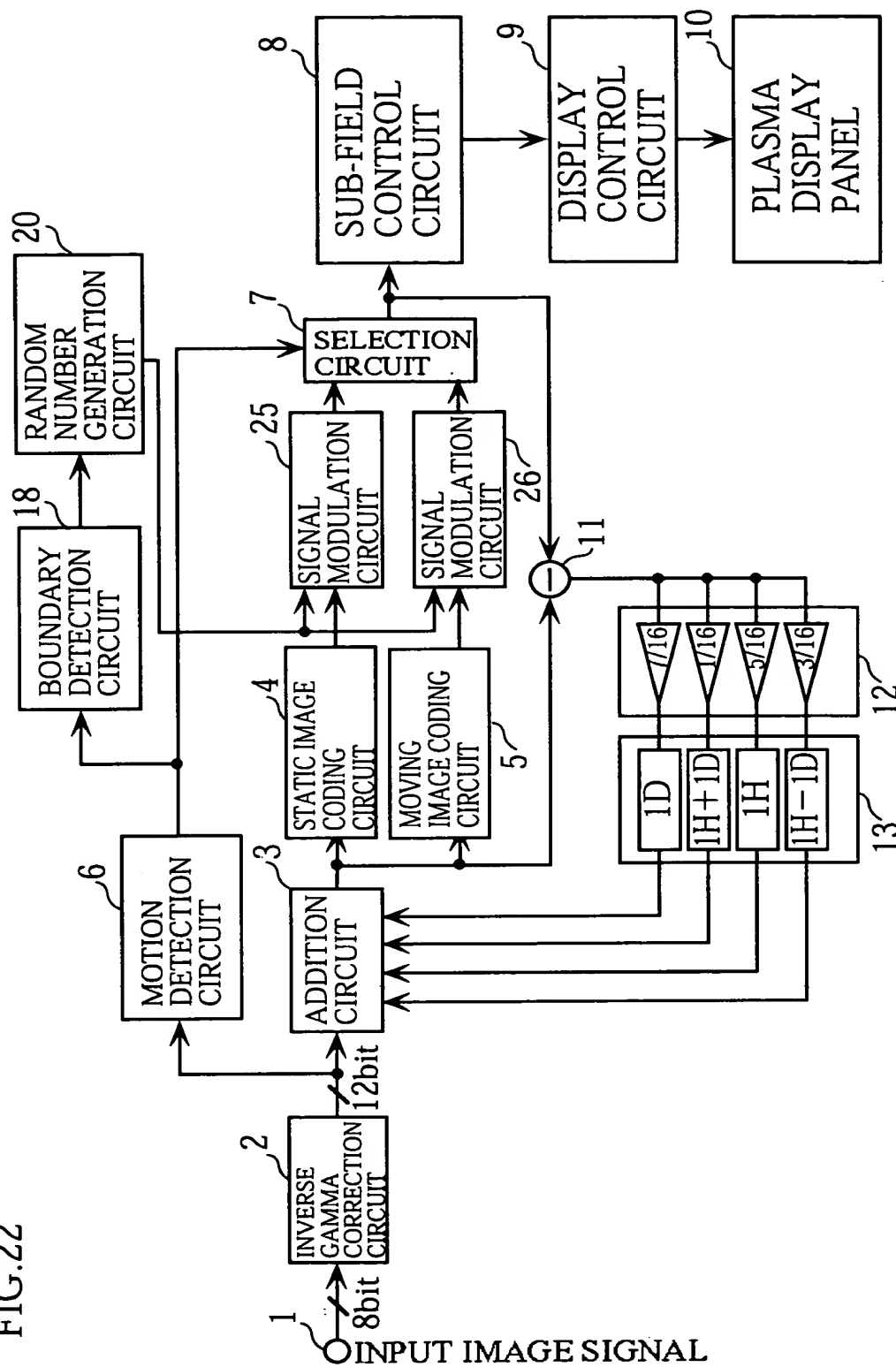


FIG. 23

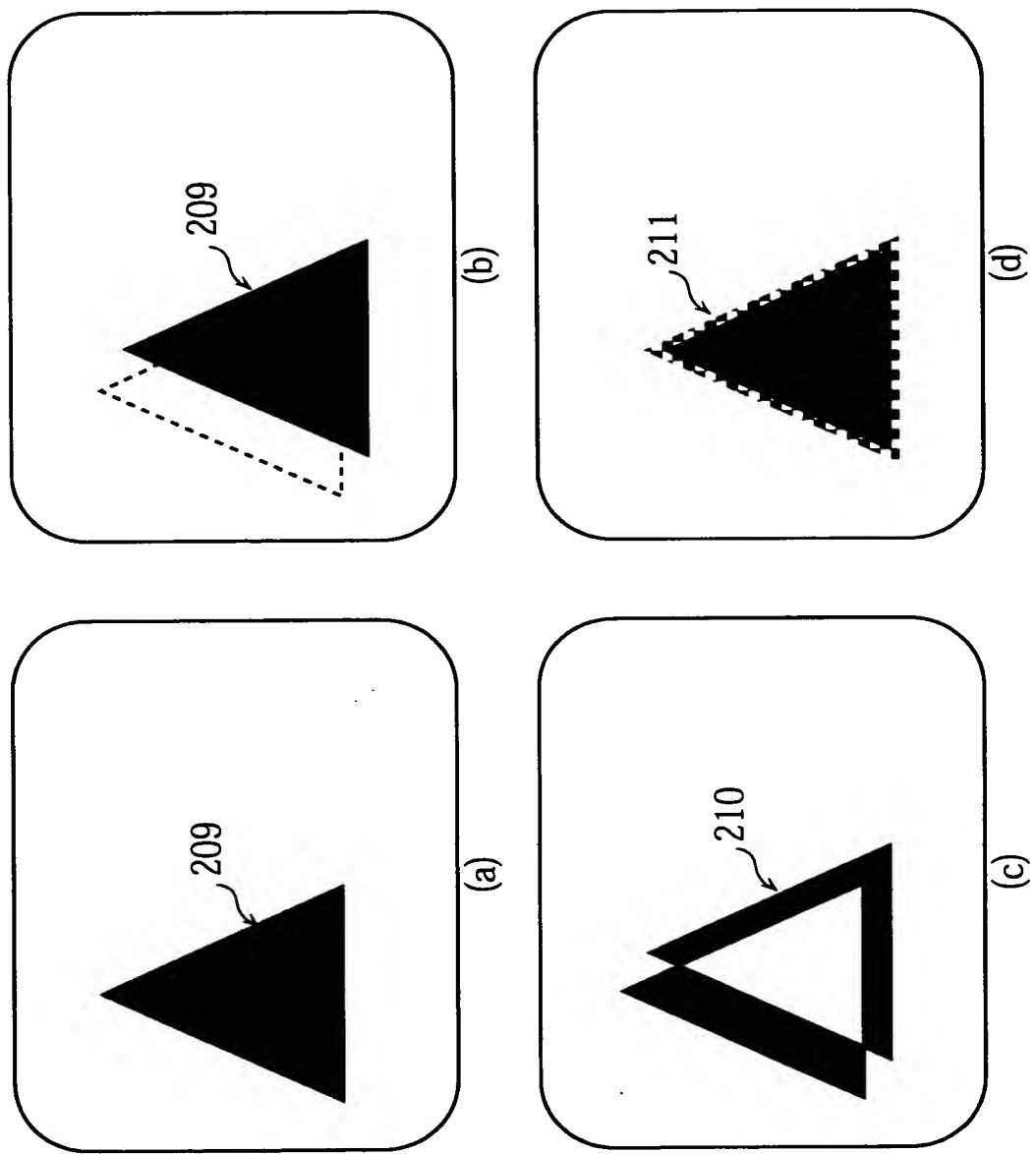
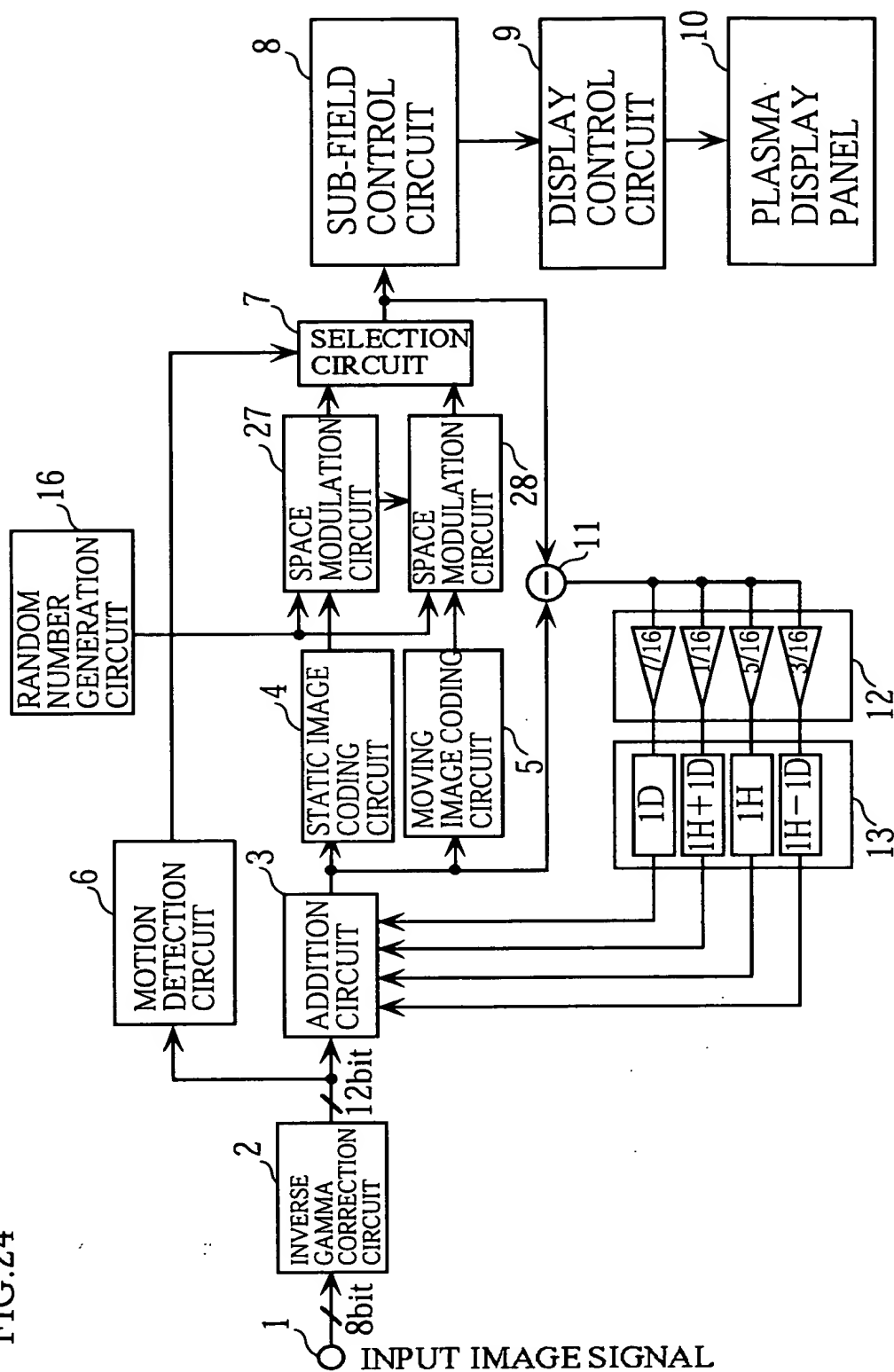


FIG. 23



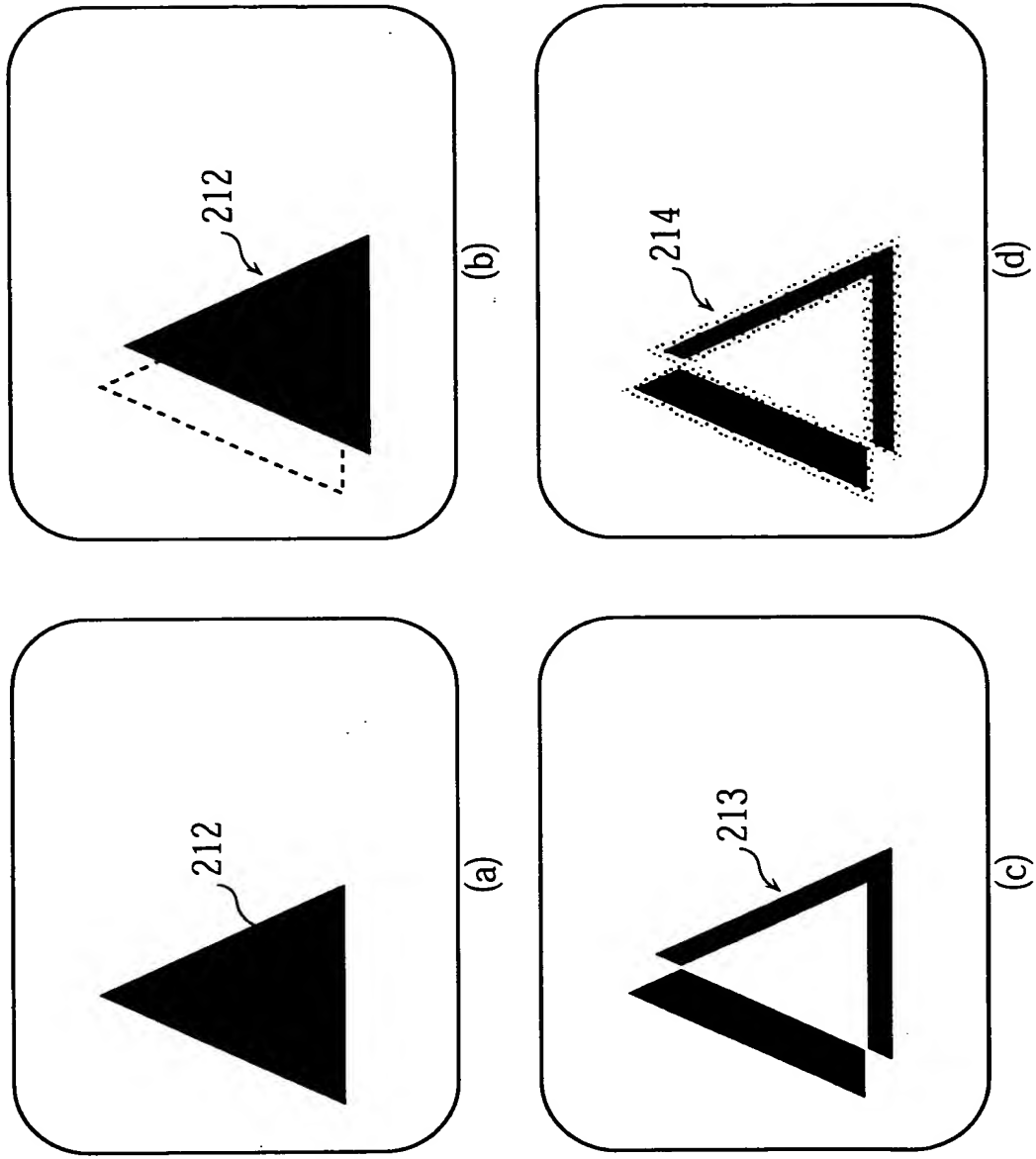


FIG. 25

FIG.26

(a)

| INPUT IMAGE SIGNAL | SF1 | SF2 | SF3 | SF4 | SF5 |
|--------------------------|-----|-----|-----|-----|-----|
| 0 | 1 | | | | |
| 1 | 1 | | | | |
| 3 | | 1 | | | |
| 4 | 1 | 1 | | | |
| 7 | | | 1 | | |
| 8 | 1 | | 1 | | |
| 10 | | 1 | 1 | | |
| 11 | 1 | 1 | 1 | | |
| 15 | | | | 1 | |
| 16 | 1 | | | 1 | |
| 18 | | 1 | | 1 | |
| 19 | 1 | 1 | | 1 | |
| 22 | | | 1 | 1 | |
| 23 | 1 | | 1 | 1 | |
| 25 | | 1 | 1 | 1 | |
| 26 | 1 | 1 | 1 | 1 | |
| 29 | | | | | 1 |
| 30 | 1 | | | | 1 |
| 32 | | 1 | | | 1 |
| 33 | 1 | 1 | | | 1 |
| 36 | | | 1 | | 1 |
| 37 | 1 | | 1 | | 1 |
| 39 | | 1 | 1 | | 1 |
| 40 | 1 | 1 | 1 | | 1 |
| 44 | | | | 1 | 1 |
| 45 | 1 | | | 1 | 1 |
| 47 | | 1 | | 1 | 1 |
| 48 | 1 | 1 | | 1 | 1 |
| 51 | | | 1 | 1 | 1 |
| 52 | 1 | | 1 | 1 | 1 |
| 54 | | 1 | 1 | 1 | 1 |
| 55 | 1 | 1 | 1 | 1 | 1 |

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